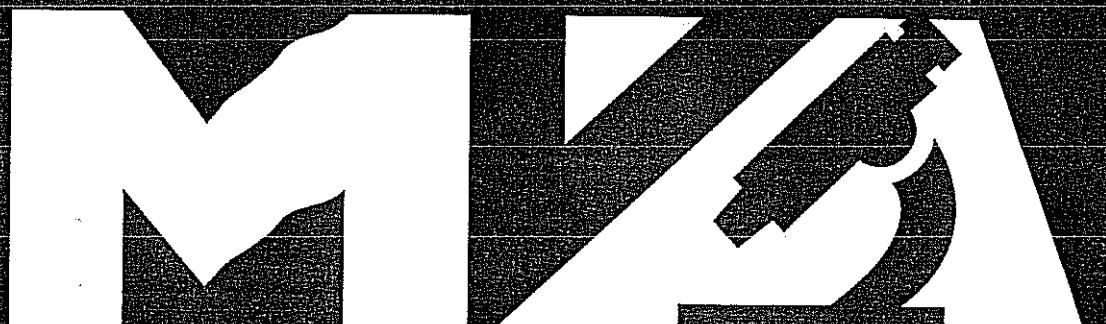
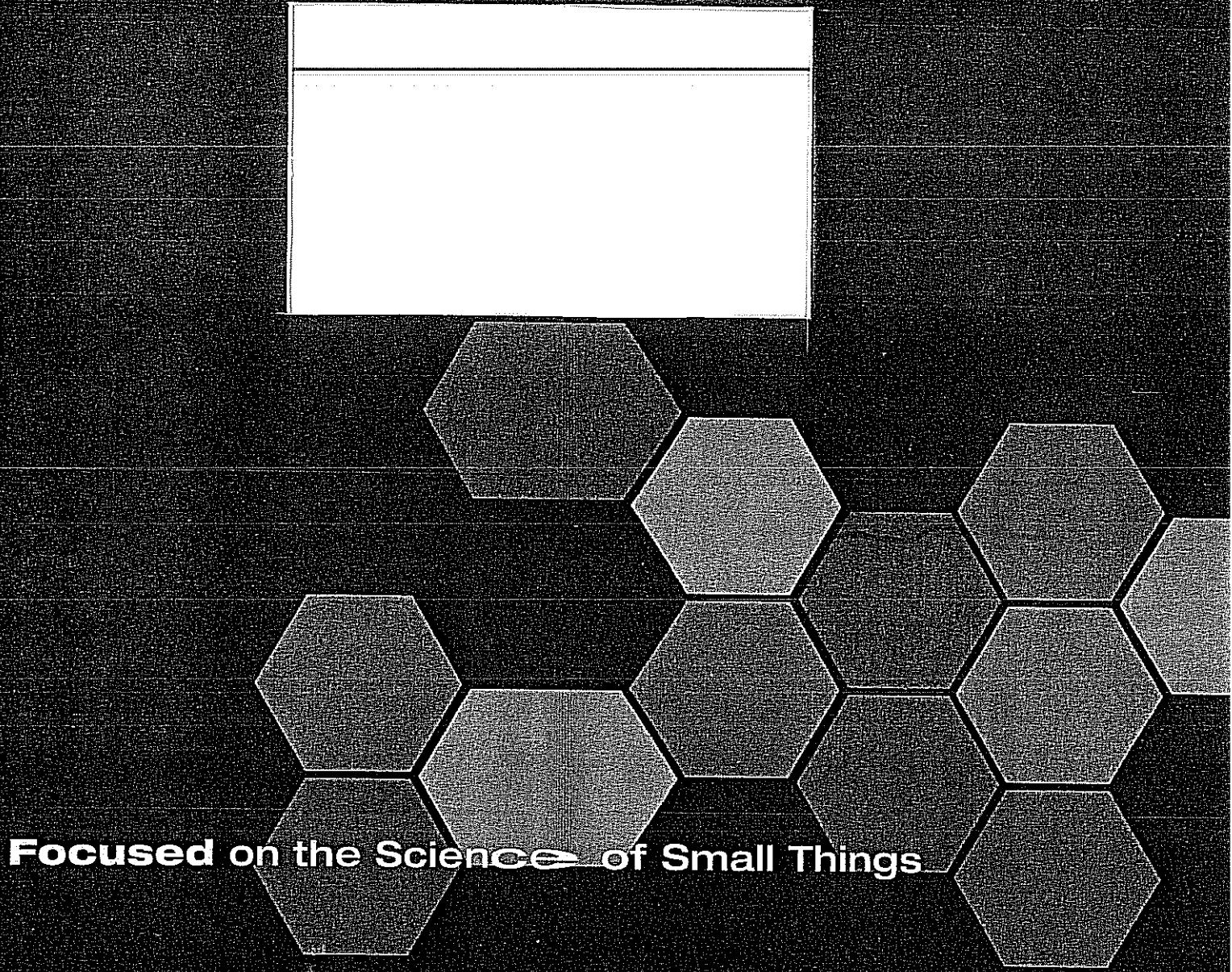


EXHIBIT “A”



MVA SCIENTIFIC CONSULTANTS

3300 Breckinridge Boulevard • Suite 400 • Duluth, GA 30096

770-662-8509 • FAX 770-662-8532 • www.mvainc.com

Report of Results: MVA5394

**Analysis of Settled Dust
State Correctional Facility**

Prepared for:

**State of California
Dept of General Services
Seismic & Special Programs
707 West 3rd St.
West Sacramento, CA 95605**

Respectfully Submitted by:

Tim B. Vander Wood
**Tim B. Vander Wood, Ph.D.
Executive Director**

**MVA Scientific Consultants
3300 Breckinridge Boulevard
Suite 400
Duluth, GA 30096**

11 September 2007



Report of Results: MVA5394**Analysis of Settled Dust - State Correctional Facility****Introduction**

On 1 August 2007, we received four settled dust samples and one blank from Clark Sief Clark, reportedly collected from the State Correctional Facility, End of Hwy 202, Tehachapi, California. We were asked to determine the asbestos levels in the dust and possible sources for the asbestos. Upon receipt, the samples were assigned MVA Scientific Consultants laboratory identification numbers as follows:

<u>Sample ID</u>	<u>Sample Description</u>	<u>MVA Number</u>
50VA	Unit 2-Education Secretary's office- ceiling hatch surface	S0952
51VA	Unit 2-Education Mech Rm-Top of storage shelf	S0953
52VA	Unit 2-T-Bldg. Kitchen-Mop Rm- ceiling access surface	S0954
53VA	Unit 2-Kitchen mech Rm-Top of ductwork	S0955
54VA	BLANK	S0956

All analyses were carried out in our laboratory during the period 1 August through 7 September 2007.

Methods

The samples were analyzed according to ASTM Method D5755-03 using either a Philips model EM420 or a Philips model CM120 transmission electron microscope (TEM), equipped with an Oxford INCA energy dispersive x-ray spectrometer (EDS). Additional analyses for dust constituents that might serve as source indicators were also conducted by TEM/EDS.

Results and Discussion

The results of analysis for these samples are presented in Table 1. The Appendix contains a summary of the analytical results, the laboratory count sheets, and images and EDS spectra of typical asbestos fibers found in these samples. Also contained in the appendix are images and spectra showing vermiculite associated with chrysotile fibers and other asbestosiform amphibole minerals typical of those known as "Libby amphibole" and observed as contaminants in vermiculite from the Libby, Montana vermiculite mine operated by W.R. Grace.



Conclusions

Dust analyzed in this study contains elevated levels of chrysotile asbestos. Portions of the dust are consistent with derivation from a chrysotile/vermiculite bearing fireproofing. Asbestiform amphibole consistent with "Libby amphibole" was also found, indicating that the vermiculite in this sample originated at least in part at W.R. Grace's Libby vermiculite mine.

Table 1. Asbestos Concentration in Settled Dust Samples

Sample ID	MVA Number	Asbestos Str/cm ²
50VA	S0952	<41,867
51VA	S0953	9,071,111
52VA	S0954	1,395,556
53VA	S0955	195,377,778
54VA	S0956	0



Chain of Custody - TEM Micro-Vacuum

HEALTH & SAFETY • ENGINEERING • ENVIRONMENTAL



Requested TAT (Circle One) Same Day One Day (24hr) Normal (48hr)
 Analysis Type (Circle One) Air Surface Bulk Water

Case 01 01139 AMC Dec 17074-2 Filed 10/16/07 Page 6 of 46

CSC Project #	Claim #	Sampling By	# of Samples	Date(s) Taken	Page #	Total Pages
014265		CAS		7. 30. 07	1	1
Project Name & Location:						
State Corrections Facility End of Hwy 20293se 1 Teachase, CA						
Client Information:						
DGS Cenex Comon						
Sampling Area and/or Building #:						
Sample #	Date	Sample Location	Pump #	Start Flow Rate End Flow Rate	Total Time End Time	Total Volume/Area
50VA	Unit 2 - Secretary's office - ceiling hatch - Surface	10.91 10.91	2 min	160 cu		
51VA	Unit 2 - Secretary's office - ceiling hatch - Surface	10.91 10.91	2 min	160 cu		
52VA	Unit 2 - Top of storage shelf Mech. rm - Top of storage shelf	10.91 10.91	2 min	160 cu		
53VA	Unit 2 - Top of ceiling access - Top of kitchen Unit 2 - Top of ceiling access - Top of kitchen	10.91 10.91	2 min	160 cu		
54VA	Blank					
Befolished By (Print & Sign) Date & Time Received By (Print & Sign) Date & Time Analysis By (Print & Sign)						
Mark Clark		7. 31. 07	Tony Vandek West	7. 11. 07		
Befolished By (Print & Sign)		Date & Time	Received By (Print & Sign)	Date & Time	Analysis Date & Time	

APPENDIX



ASTM D5755 Results

MVA 5394

By: W.Hill

Client project number:

Str/cm = No Str. X CFA X Total Vol.

Grid Op. X GO Area X Vol Filt X Area Sampled

MVA #: S0952 **Client #:** 50.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
1	1256	10	0.009	1	100	100

Anal. Sens = 13955.556 **Str/CM2** **LOD =3*** **Anal. Sens =** 41866.667

Total = 13955.556 **Str/CM2**

MVA #: S0953 **Client #:** 51.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
52	1256	8	0.009	0.1	100	100

Anal. Sens = 174444.444 **Str/CM2** **LOD =3*** **Anal. Sens =** 523333.333

Total = 9071111.111 **Str/CM2**

MVA #: S0954 **Client #:** 52.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
50	1256	5	0.009	1	100	100

Anal. Sens = 27911.111 **Str/CM2** **LOD =3*** **Anal. Sens =** 83733.333

Total = 1395555.556 **Str/CM2**

MVA #: S0955 **Client #:** 53.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
56	1256	4	0.009	0.01	100	100

Anal. Sens = 3488888.889 **Str/CM2** **LOD =3*** **Anal. Sens =** 10466666.667

Total = 195377777.778 **Str/CM2**

MVA #: S0956 **Client #:** 54.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
0	1256	10	0.009	1	100	0

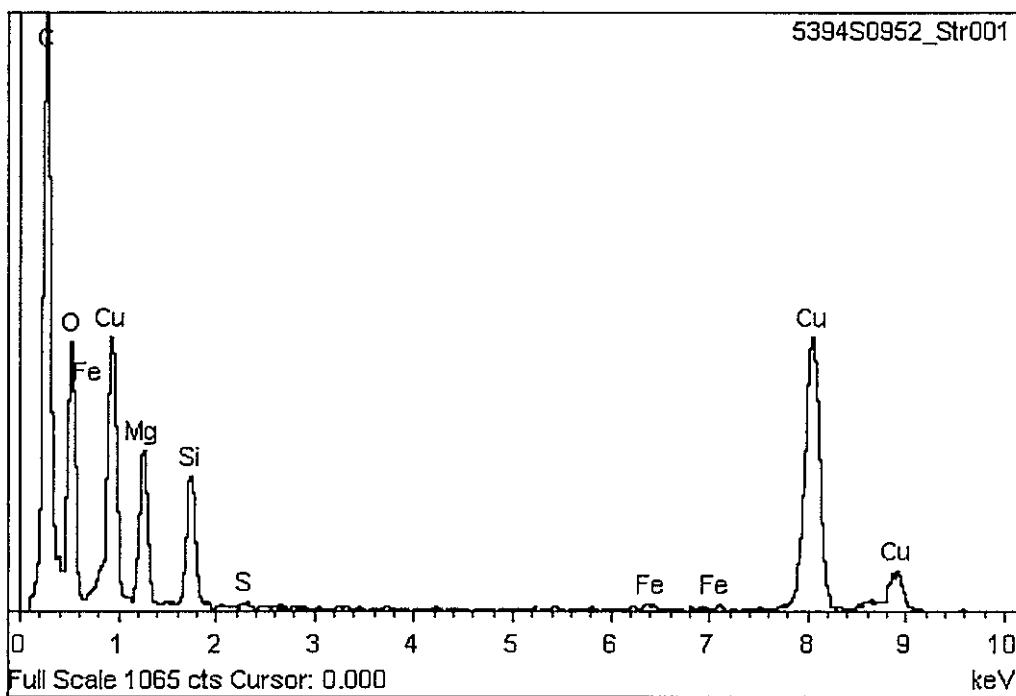
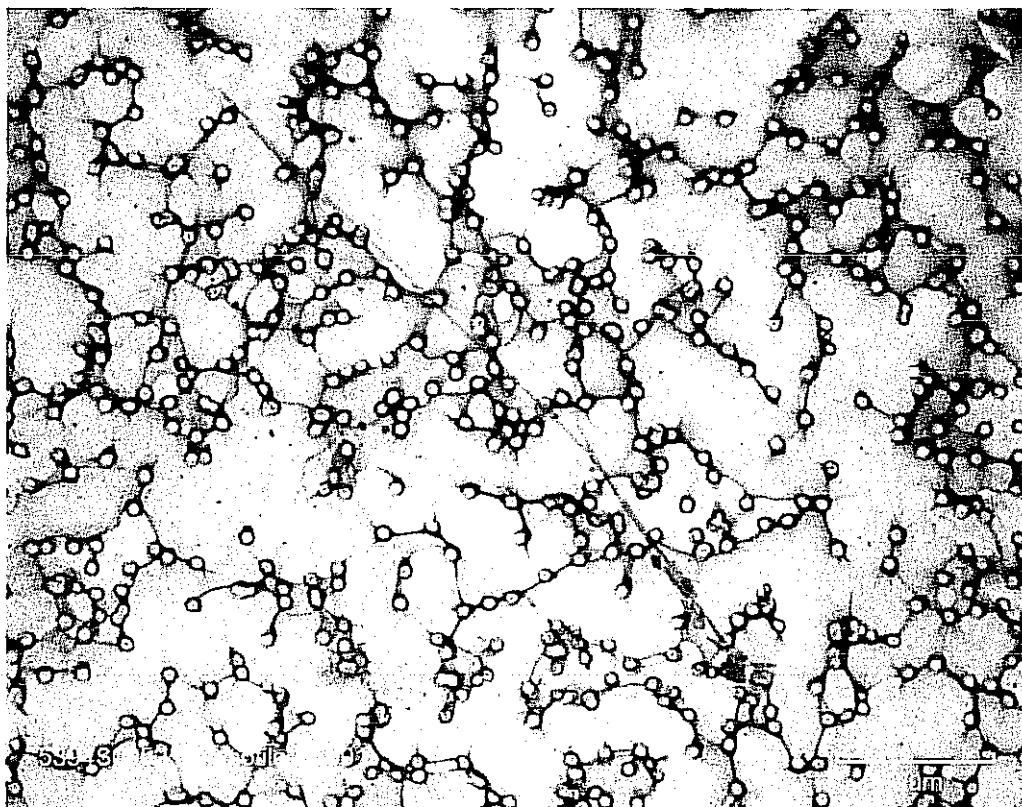
Anal. Sens = 13955.566** **Str/CM2** **LOD =3*** **Anal. Sens =** 41866.667**

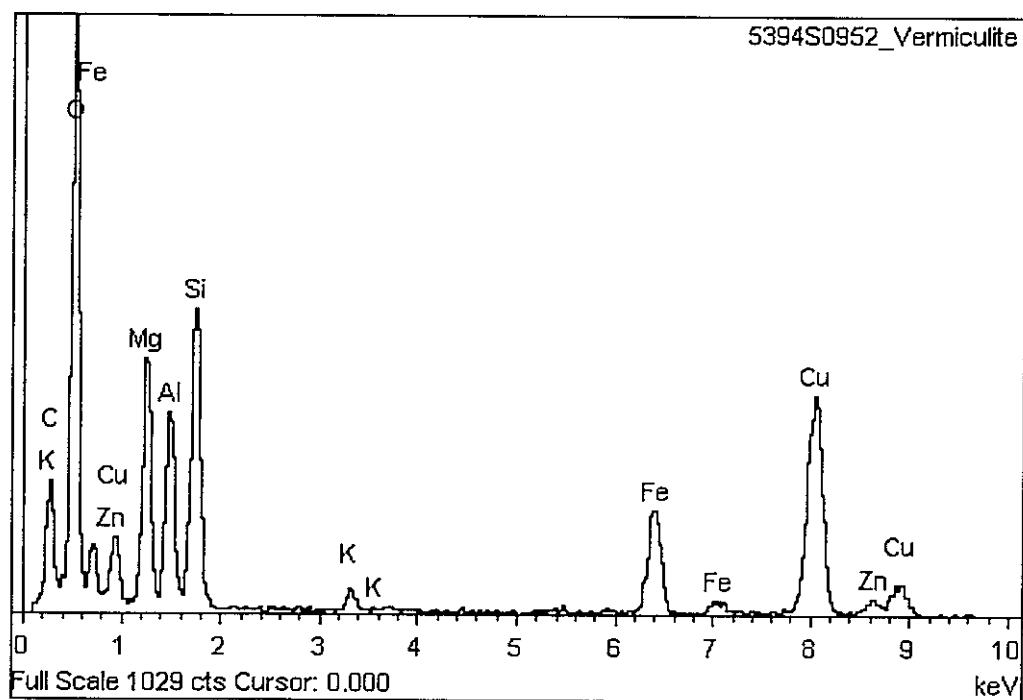
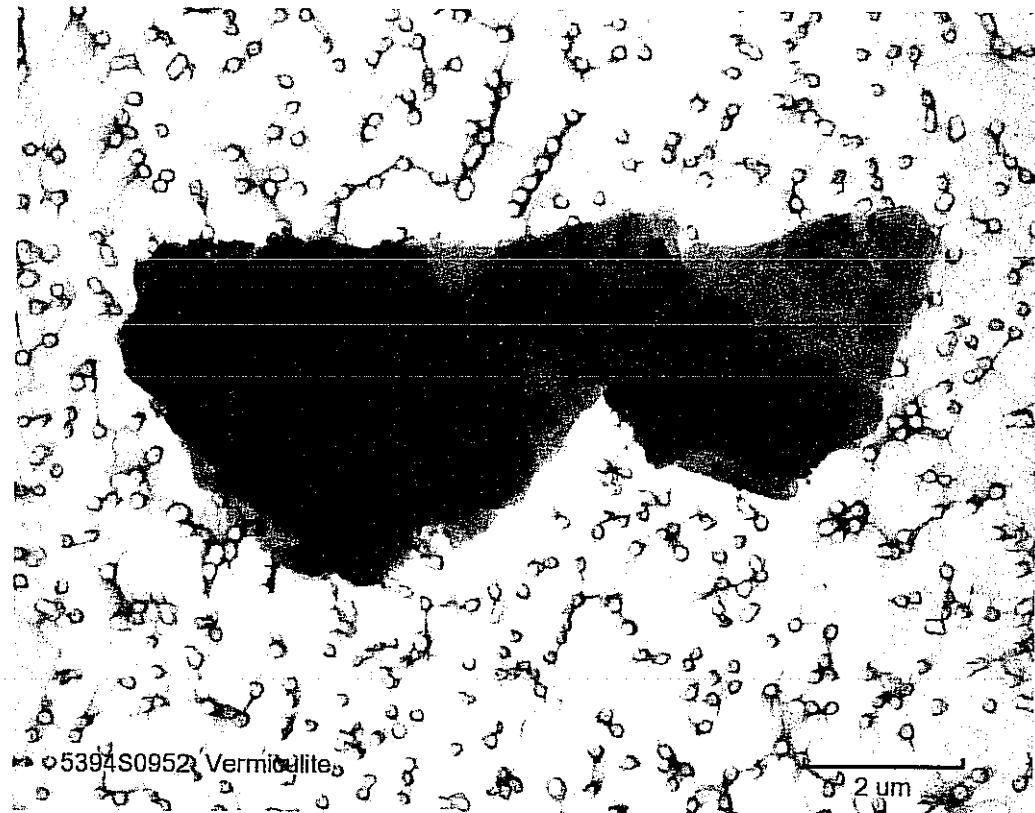
Total = 0.000 **Str/CM2**

*** According to ASTM D6620**

**** Analytical Sensitivity Assuming 100cm^2 Sampling Area**

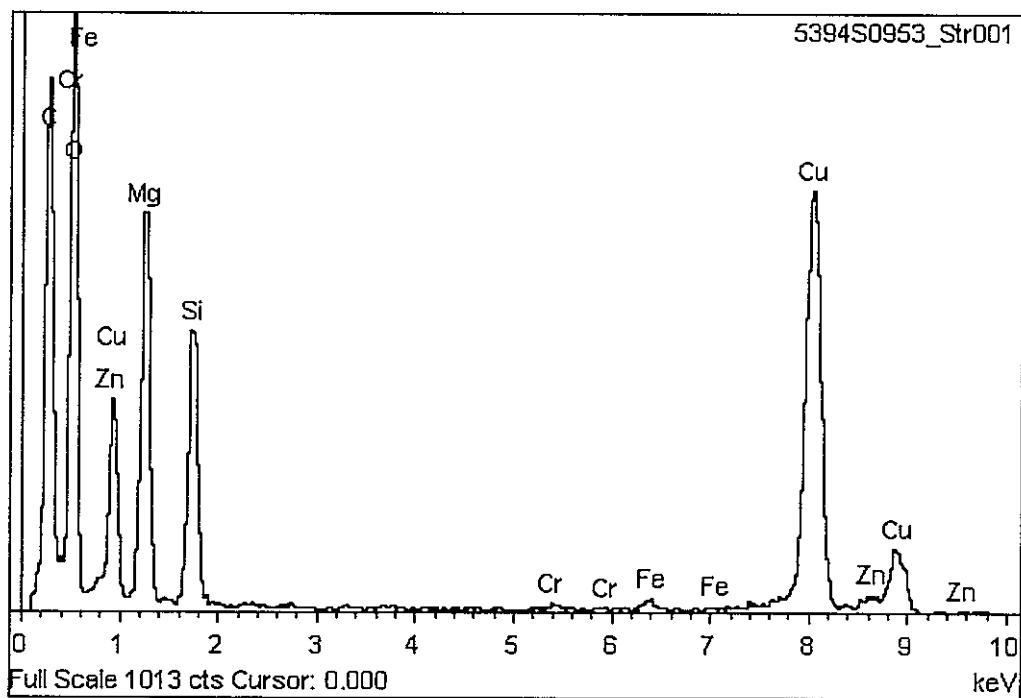
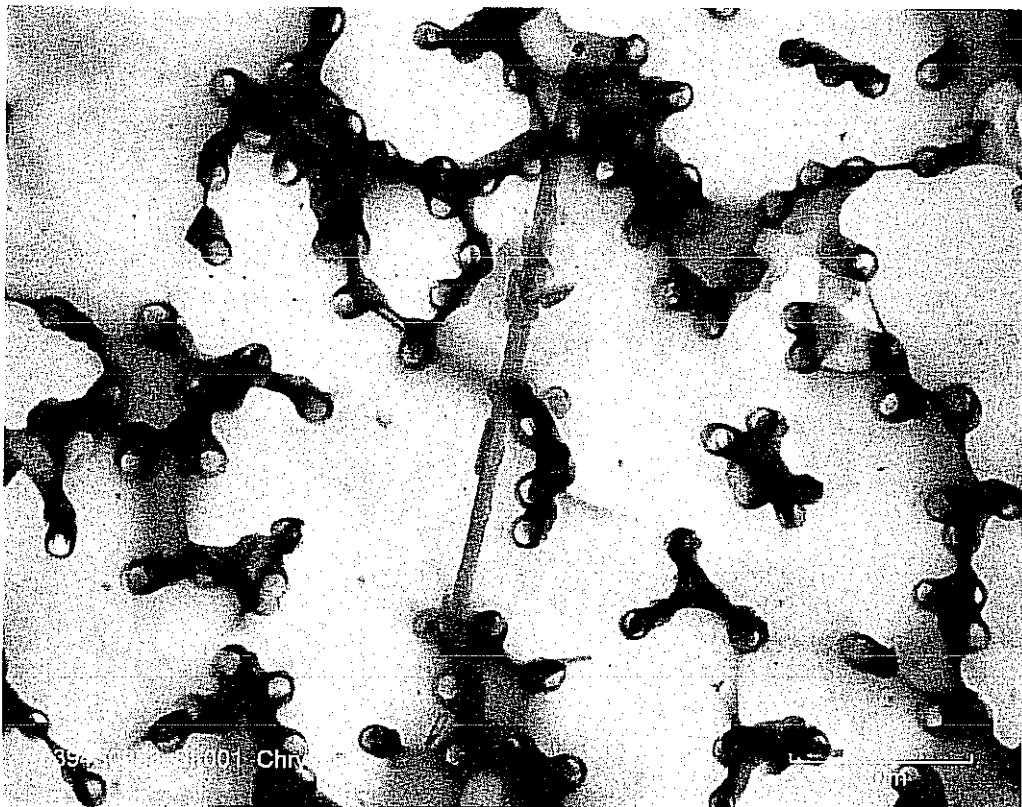


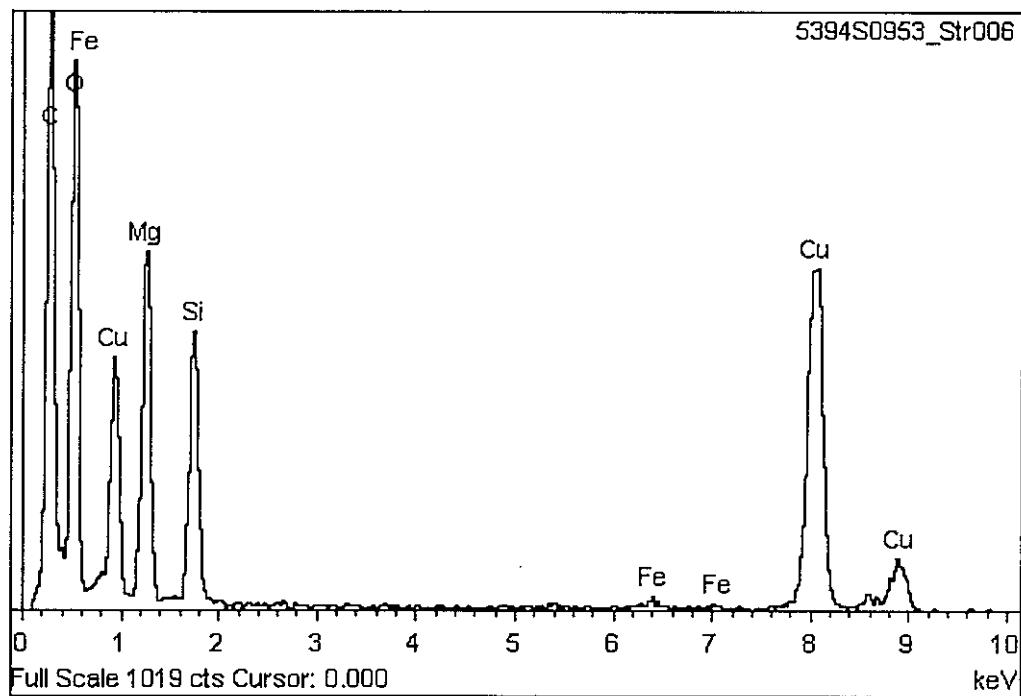
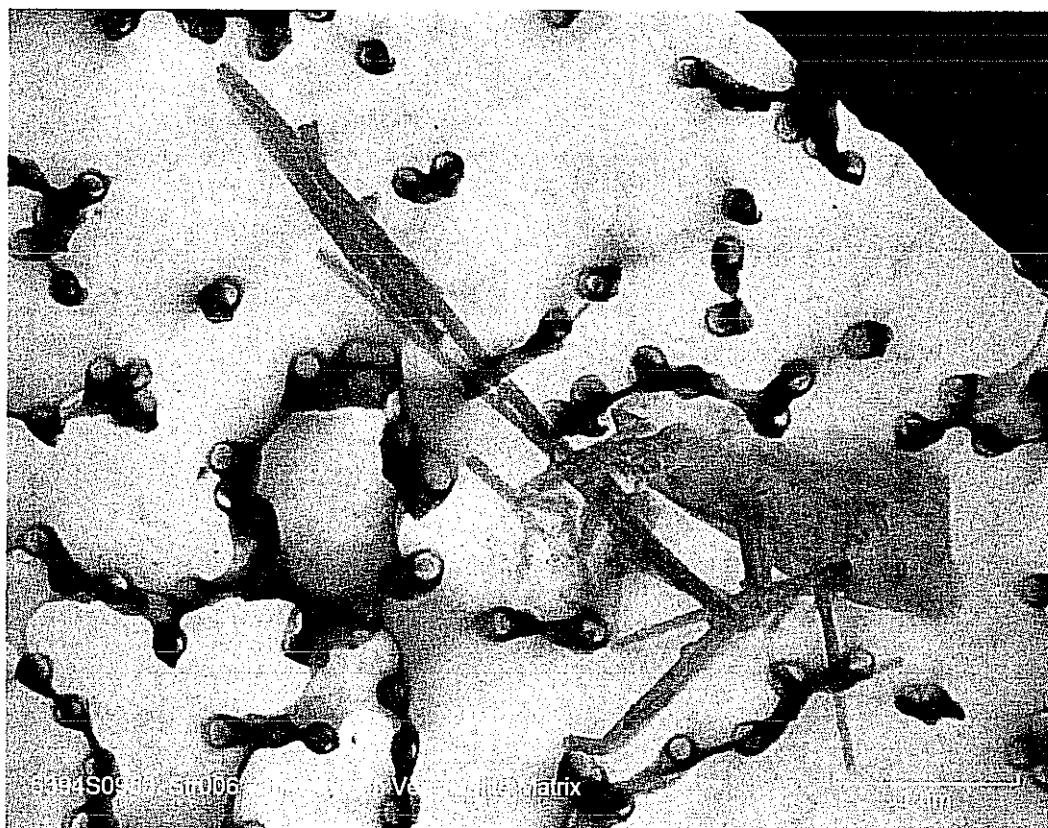


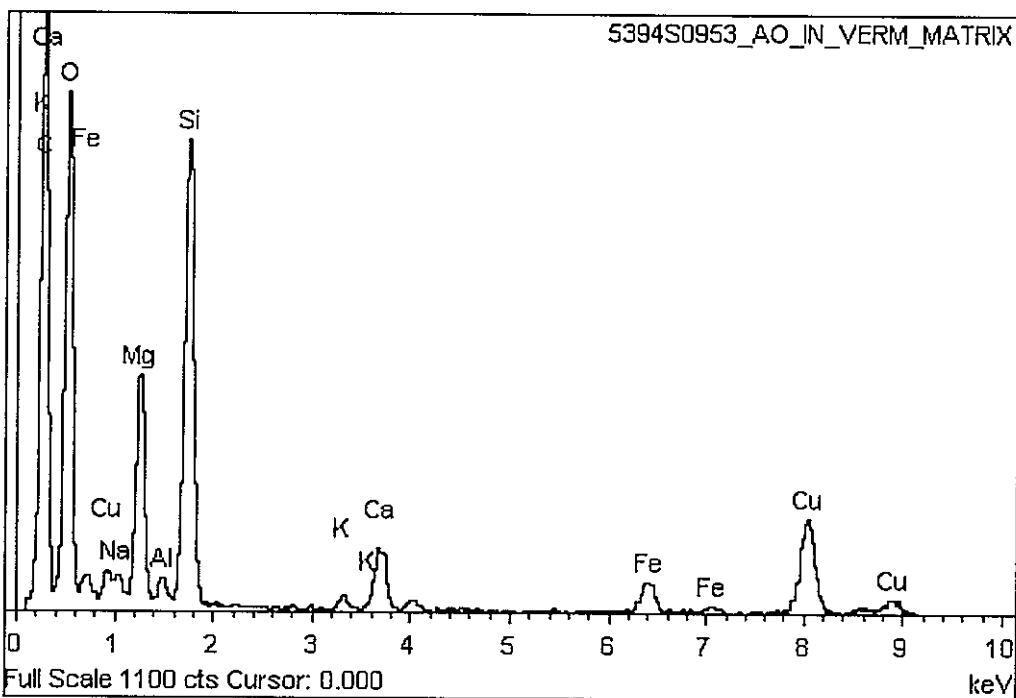
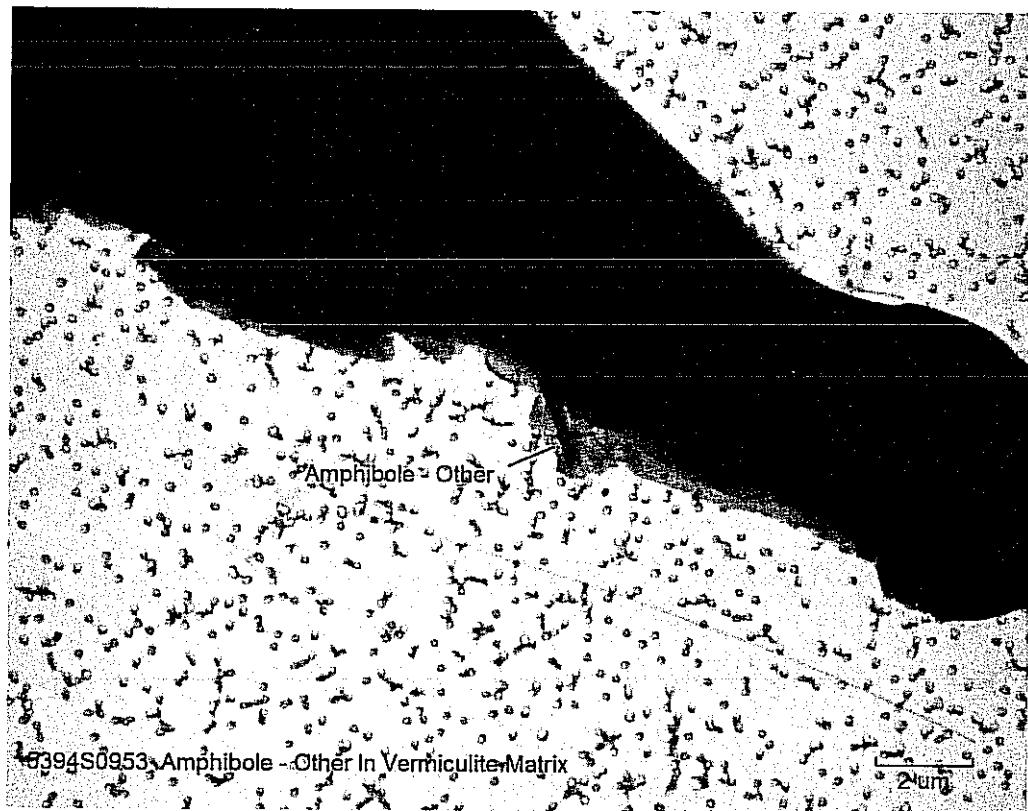


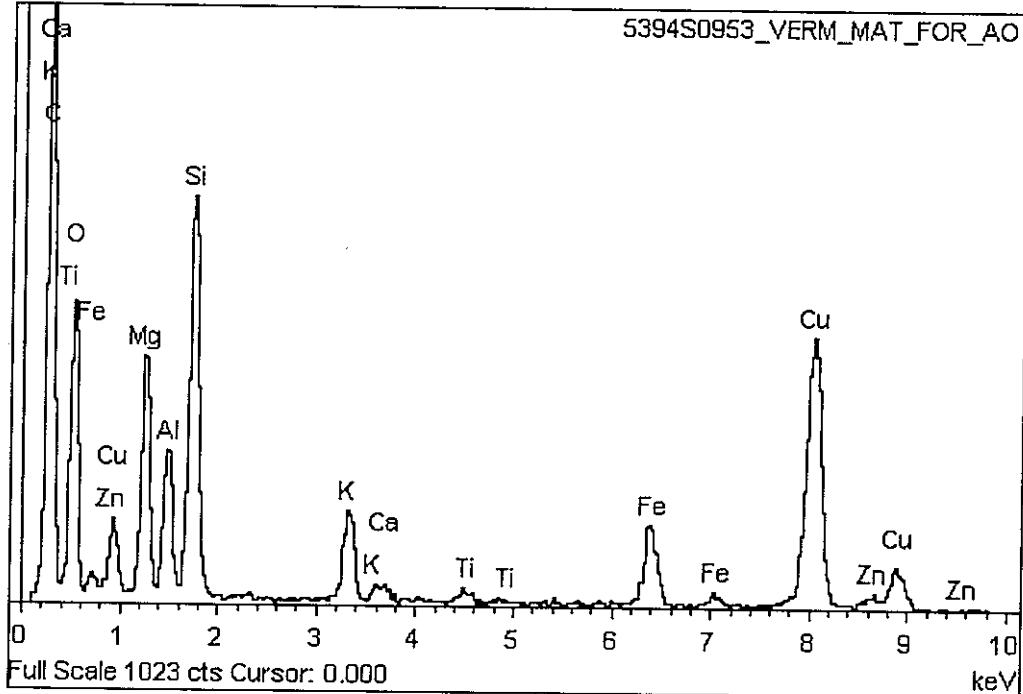
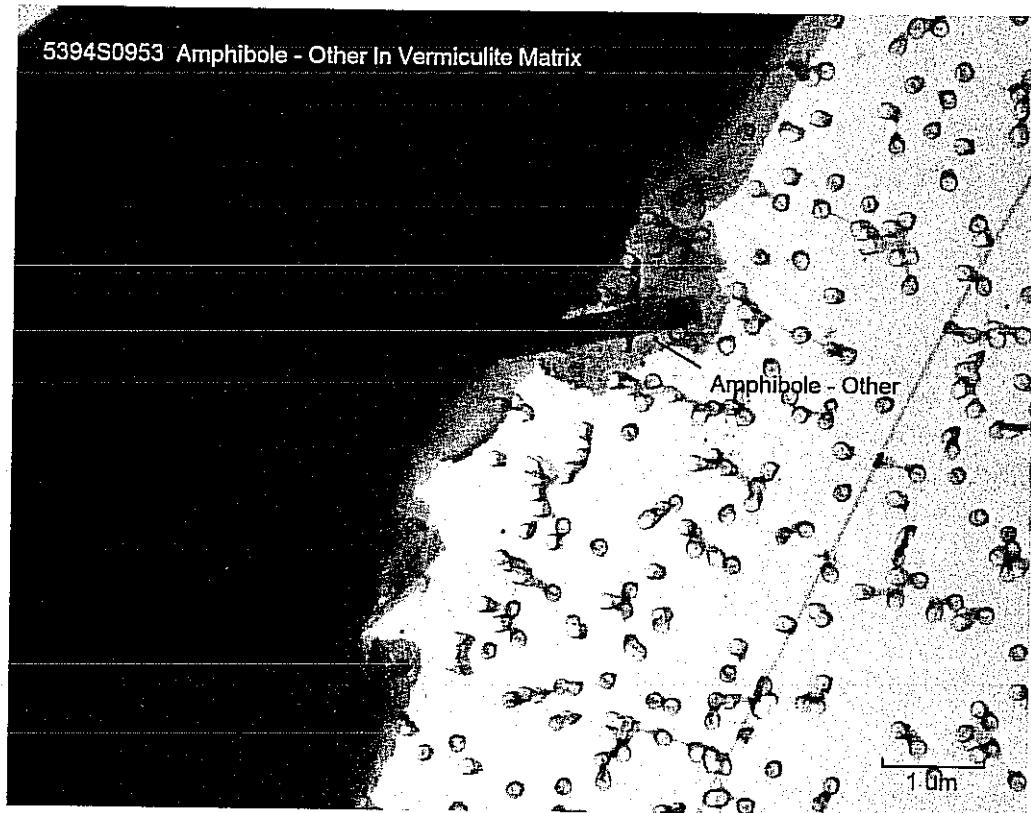
5394report091107statecorr

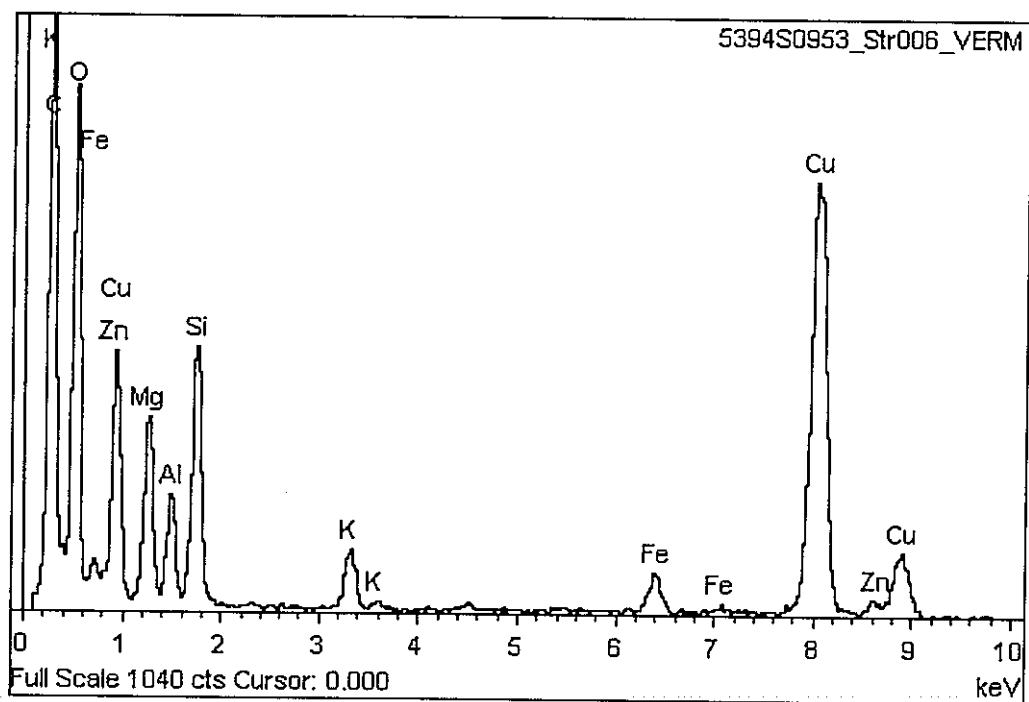
The logo for MVA Scientific Consultants. It features a stylized, blocky letter 'M' on the left and a diagonal 'V' on the right, with a jagged, mountain-like shape in the center. Below the graphic, the company name is written in a bold, sans-serif font.

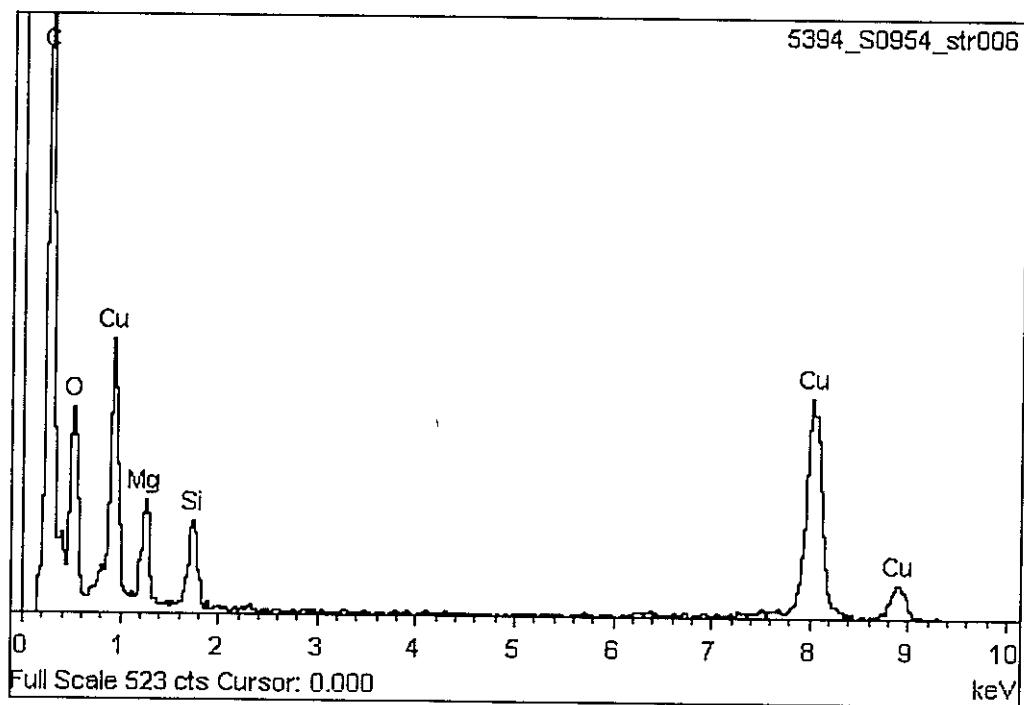
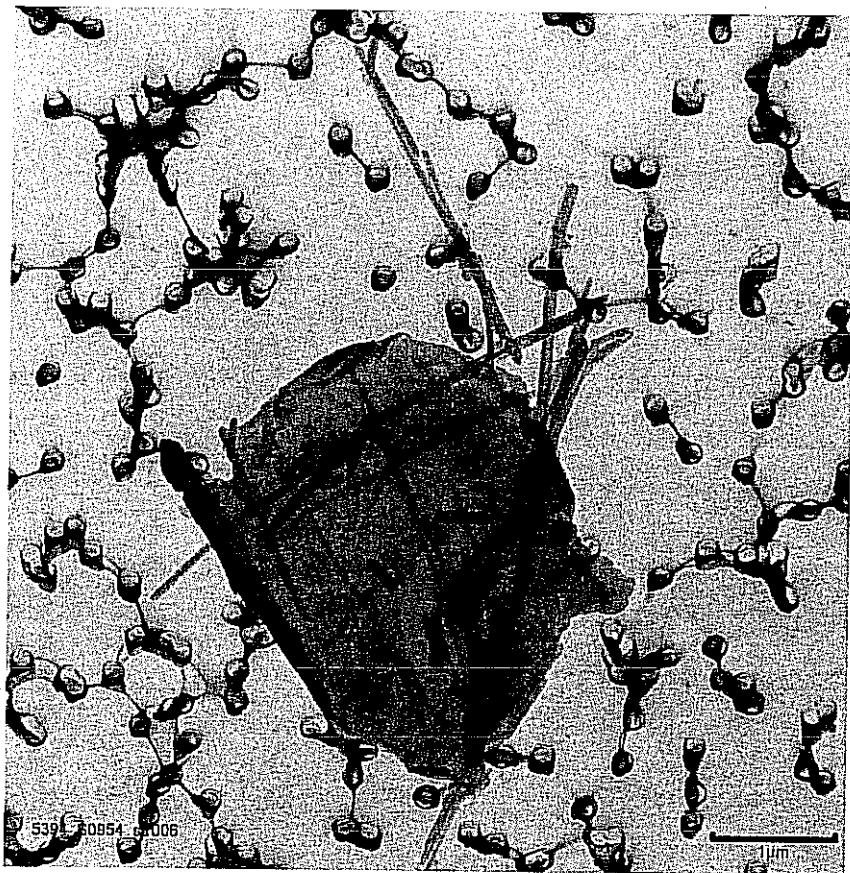


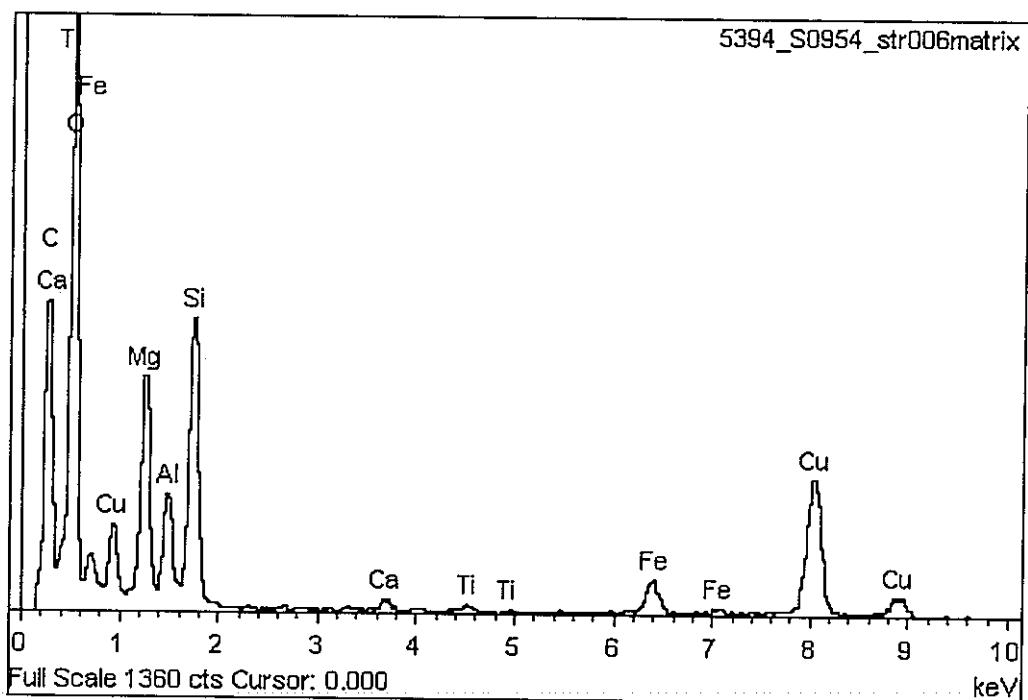


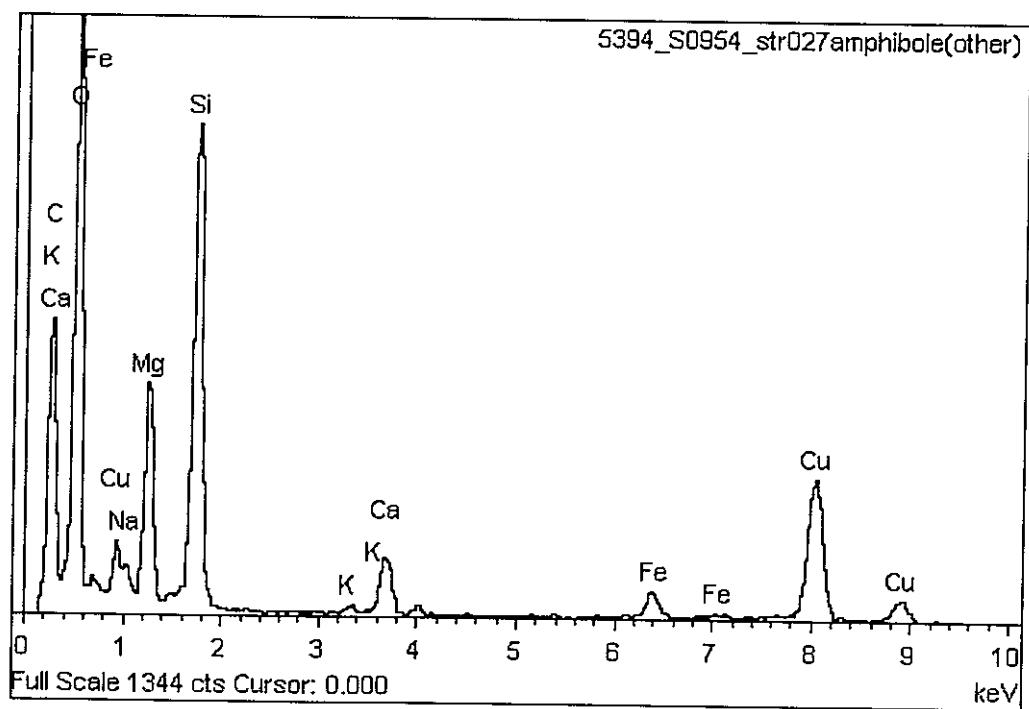
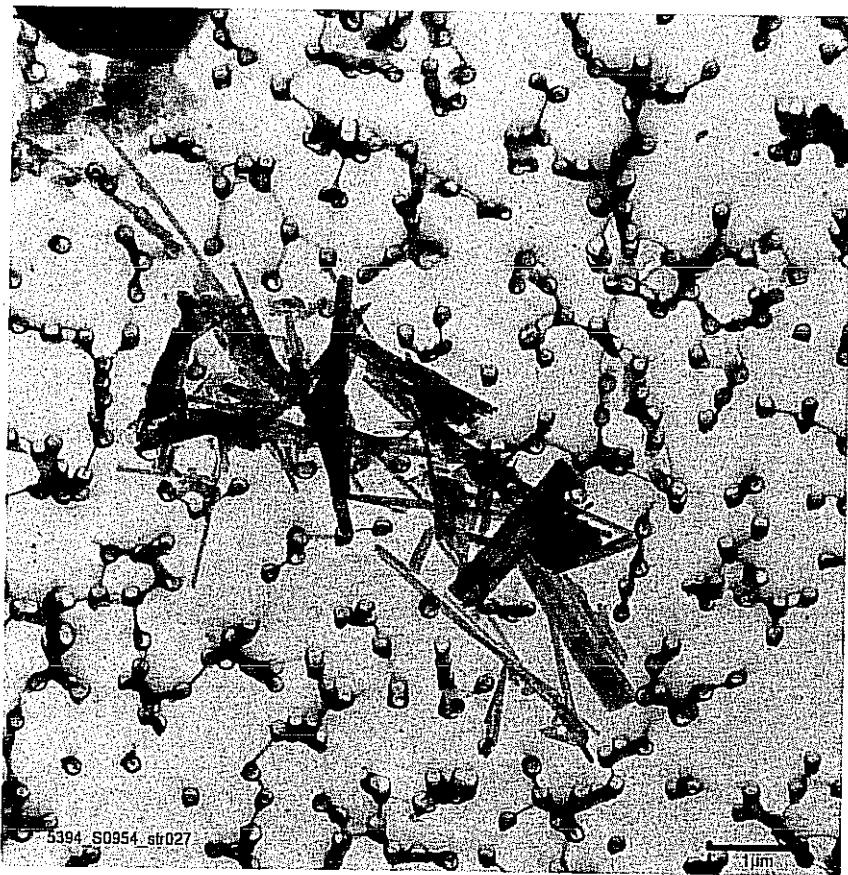


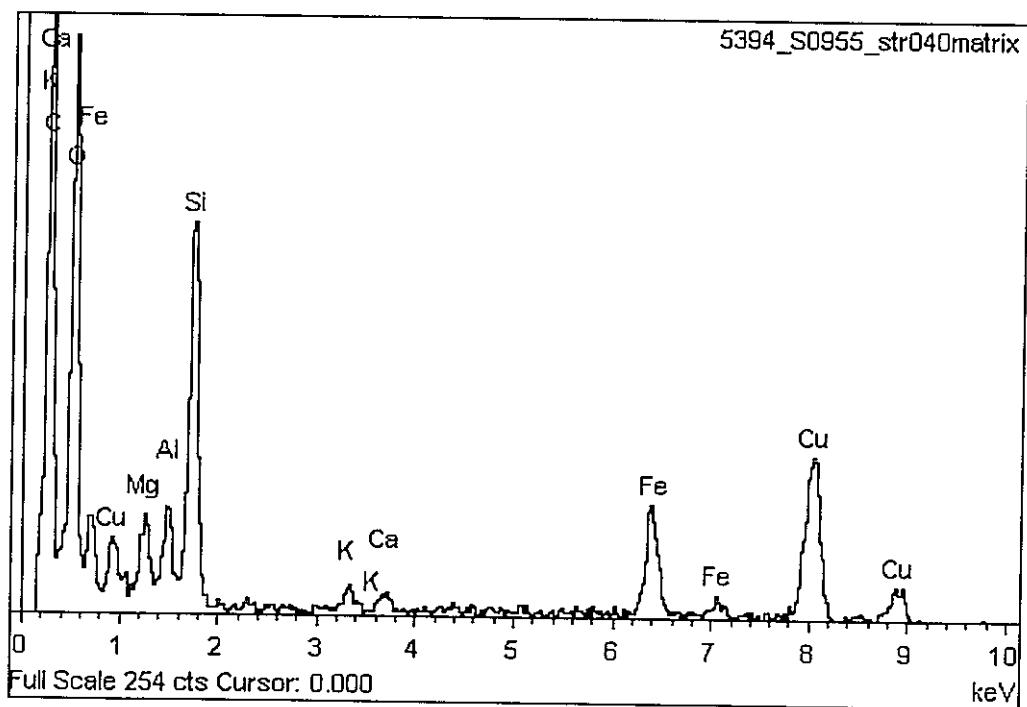
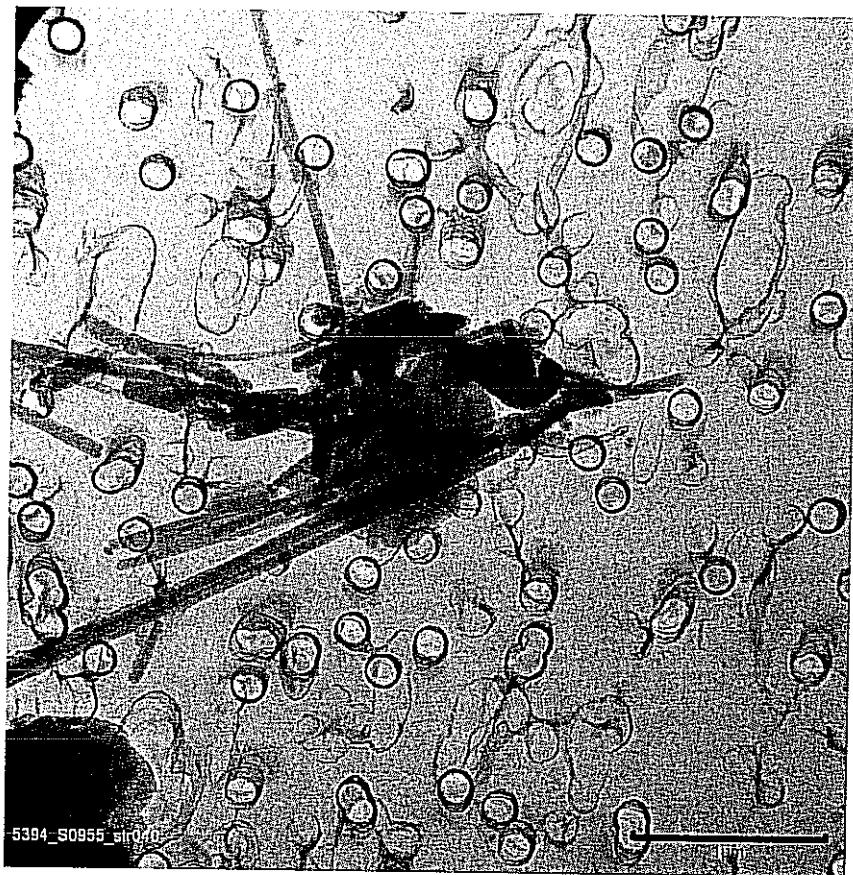












MVA Project# 5394
MVA Sample# S0952
Client I.D.: 50VA
Instrument: Philips 420
Magnification: 20,600
Acc. Voltage: 100

amt Collected (cm²): 100
amt Prepped (cm²): 1
Filter Area (mm²): 1256
Filter Type: PC 0.2
Openings Analyzed: 10
Grid Opening (mm²): 0.009

Analyst: WRB
Date: 9/1/07
Page: 1 of 1
Comments: 1.0 ML ANAL.
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On-Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Clusters, F = Fiber, M = Multi

Structure type: B = Bimobile, C = Cluster

EFS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AG = Anthophyllite, A = Amosite

Surface Dust Sample Analysis Sheet

MVA Project# 5394
 MVA Sample# S0953
 Client I.D.: 51VA
 Instrument: Philips 420
 Magnification: 20,600
 Acc. Voltage: 100

Amt Collected(cm²): 100
 Amt Prepped(cm²): 0.1
 Filter Area (mm²): 1256
 Filter Type: PC 0.2
 Openings Analyzed: 8
 Grid Opening (mm²): 0.009

Analyst: WRB
 Date: 9/3/07
 Page: 1 of 2
 Comments: 0.1 ML ANAL.
 ASTM Method: D6480
 or D5755 X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (μm)	Width*** (μm)
1	F2	1	F	7.4	0.2	C	C	PHOTO	3.6	0.10
		2	F	4.0	0.2	C			1.9	0.10
		3	C	10.5	4.5	C			5.1	2.18
		4	B	22.9	0.3	C			11.1	0.15
		5	F	11.3	0.2	C			5.5	0.10
	G4	6	M	10.5	5.5	C	C	CHRY-VERM PHOTO	5.1	2.67
		7	M	6.8	4.4	C		G.O. EDGE	3.3	2.14
		8	F	1.1	0.2	C			0.5	0.10
		9	F	5.8	0.1	C			2.8	0.05
		10	F	16.6	0.1		C		8.1	0.05
		11	F	4.2	0.1		C		2.0	0.05
		12	B	51.0	0.9	C	C		24.8	0.44
	H7	13	C	8.3	7	C		G.O. EDGE	4.0	3.40
		14	B	27.5	0.6	C			13.3	0.29
		15	F	5.7	0.4	C		G.O. EDGE	2.8	0.19
		16	C	2.4	2.3	C			1.2	1.12
		17	F	5.2	0.3	C			2.5	0.15
		18	B	2.6	0.5	C	C		1.3	0.24
	D8	19	M	14.3	6	C			6.9	2.91
		20	C	4.8	2.1	C			2.3	1.02
		21	F	1.3	0.2	C	C		0.6	0.10
		22	F	3.1	0.3	C			1.5	0.15
	C4	23	F	9.2	0.1	C			4.5	0.05
		24	F	5.5	0.2	C			2.7	0.10
		25	B	25.7	0.3	C		G.O. EDGE	12.5	0.15
		26	F	6.8	0.2	C			3.3	0.10
		27	F	7.0	0.2	C			3.4	0.10
		28	F	10.6	0.1	C		G.O. EDGE	5.1	0.05
2	B3	29	C	6.2	2.7	C			3.0	1.31
		30	C	7.8	3.7	C			3.8	1.80
		31	C	4.5	3.2	C	C		2.2	1.55
		32	B	7.4	0.5	C			3.6	0.24
		33	F	2.3	0.2	C			1.1	0.10
		34	F	4.7	0.2	C			2.3	0.10
		35	C	37.9	2.6	C			18.4	1.26

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

MVA Project# 5394
MVA Sample# S0953
Client I.D.: 51VA
Instrument: Philips 420
Magnification: 20,600
Acc. Voltage: 100

Amt Collected(cm^2): 100
Amt Prepped(cm^2): 0.1
Filter Area (mm^2): 1256
Filter Type: PC 0.2
Openings Analyzed: 8
Grid Opening (mm^2): 0.009

Analyst: WRB
Date: 9/3/07
Page: 2 of 2
Comments: 0.1 ML ANAL.
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394
 MVA Sample# S0954
 Client I.D.: 52.VA
 Instrument: Philips 120
 Magnification: 24,000
 Acc. Voltage: 100

Amt Collected(cm²): 100
 Amt Prepped(cm²): 1
 Filter Area (mm²): 1256
 Filter Type: PC
 Openings Analyzed: 5
 Grid Opening (mm²): 0.009

Analyst: WH
 Date: 8/8/2007
 Page: 1 of 2
 Comments: 1.0 ml
 ASTM Method: D6480
 or D5755 X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (μm)	Width*** (μm)
1	B2	1	F	11	0.1	C			4.6	0.04
		2	F	9.5	0.1	C			4.0	0.04
		3	F	3.5	0.1	C			1.5	0.04
		4	F	4.6	0.2	C			1.9	0.08
		5	M	1.6	0.1	C			0.7	0.04
		6	M	19.0	6.5	C	C	PHOTO	7.9	2.71
C4	7	F	12.5	0.1	C				5.2	0.04
		8	C	5.0	1.5	C			2.1	0.63
		9	F	16.0	0.1	C			6.7	0.04
		10	B	16.6	0.4	C			6.9	0.17
		11	M	4.0	0.1	C			1.7	0.04
		12	F	3.0	0.1	C			1.3	0.04
		13	M	32.0	0.5	C			13.3	0.21
		14	F	10.1	0.1	C			4.2	0.04
		15	C	4.0	1	C			1.7	0.42
		16	B	42.5	0.2	C			17.7	0.08
		17	F	16.0	0.1	C			6.7	0.04
D1	18	C	3.0	1	C				1.3	0.42
		19	F	26.0	0.1	C			10.8	0.04
		20	C	14.5	5	C			6.0	2.08
		21	B	16.5	0.4	C			6.9	0.17
		22	F	4.5	0.1	C			1.9	0.04
		23	F	6.0	0.2	C			2.5	0.08
		24	C	36.5	9.5	C			15.2	3.96
		25	B	20.0	0.5	C			8.3	0.21
		26	B	6.5	0.5	C			2.7	0.21
		27	C	21.0	8.5	C/A	C/AO	photo	8.8	3.54
		28	C	18.0	9	C			7.5	3.75
		29	F	6.5	0.1	C			2.7	0.04
E3	30	C	39.5	17	C				16.5	7.08
		31	B	21.5	0.9	C			9.0	0.38
		32	C	13.5	6.5	C			5.6	2.71
		33	C	17.9	2.5	C			7.5	1.04
		34	F	7.5	0.1	C			3.1	0.04
		35	F	2.8	0.1	C			1.2	0.04

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394
MVA Sample# S0954
Client I.D.: 52.VA
Instrument: Philips 120
Magnification: 24,000
Acc. Voltage: 100

amt Collected (cm²): 100
amt Prepped (cm²): 1
Filter Area (mm²): 1256
Filter Type: PC
Openings Analyzed: 5
Grid Opening (mm²): 0.009

Analyst: WH
Date: 8/8/2007
Page: 2 of 2
Comments: 1.0 ml
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394
 MVA Sample# S0955
 Client I.D.: 53.VA
 Instrument: Philips 120
 Magnification: 24,000
 Acc. Voltage: 100

Amt Collected(cm²): 100
 Amt Prepped(cm²): 0.01
 Filter Area (mm²): 1256
 Filter Type: PC
 Openings Analyzed: 4
 Grid Opening (mm²): 0.009

Analyst: WH
 Date: 9/4/2007
 Page: 1 of 2
 Comments: 0.01 ml
 ASTM Method: D6480
 or D5755 X

Grid	Opening	Structure Number*	Structure Type	Length**	Width**	SAED	EDS	Comments	Length***	Width***
				(cm)	(cm)				(μ m)	(μ m)
1	B5	1	F	4	0.1	C			1.7	0.04
		2	F	2.0	0.1	C			0.8	0.04
		3	B	2.8	0.5	C			1.2	0.21
		4	F	35.0	0.1	C			14.6	0.04
		5	F	21.5	0.1	C			9.0	0.04
		6	F	9.5	0.1	C			4.0	0.04
		7	B	2.0	0.25	C			0.8	0.10
		8	F	5.0	0.1	C			2.1	0.04
		9	F	2.2	0.1	C			0.9	0.04
		10	F	1.5	0.2	C			0.6	0.08
		11	B	4.0	0.3	C			1.7	0.13
		12	B	5.0	0.3	C			2.1	0.13
		13	F	11.5	0.1	C			4.8	0.04
		14	F	6.6	0.1	C			2.8	0.04
C7	15	B	17.0	0.6	C				7.1	0.25
		16	B	3.5	0.5	C			1.5	0.21
		17	B	5.0	0.3	C			2.1	0.13
		18	B	3.0	0.5	C			1.3	0.21
		19	B	4.0	0.25	C			1.7	0.10
		20	C	11.0	4	C			4.6	1.67
		21	F	4.6	0.1	C			1.9	0.04
		22	F	5.5	0.1	C			2.3	0.04
		23	C	13.5	3.5	C			5.6	1.46
		24	C	5.0	2.1	C			2.1	0.88
		25	F	2.1	0.1	C			0.9	0.04
		26	F	5.0	0.1	C			2.1	0.04
		27	F	4.0	0.1	C			1.7	0.04
		28	F	9.0	0.1	C			3.8	0.04
D9	29	F	4.0	0.1	C				1.7	0.04
		30	C	8.5	1.8	C			3.5	0.75
		31	F	5.0	0.1	C			2.1	0.04
		32	B	6.6	0.5	C			2.8	0.21
		33	F	7.0	0.15	C			2.9	0.06
		34	F	4.0	0.1	C			1.7	0.04
		35	F	7.5	0.1	C			3.1	0.04

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394
MVA Sample# S0955
Client I.D.: 53.VA
Instrument: Philips 120
Magnification: 24,000
Acc. Voltage: 100

Amt Collected(cm²): 100
Amt Prepped(cm²): 0.01
Filter Area (mm²): 1256
Filter Type: PC
Openings Analyzed: 4
Grid Opening (mm²): 0.009

Analyst: WH
Date: 9/4/2007
Page: 2 of 2
Comments: 0.01 ml
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

MVA Project# 5394
MVA Sample# S0956
Client I.D.: 54.VA
Instrument: Philips 120
Magnification: 24,000
Acc. Voltage: 100

Amt Collected(cm^2): 0
Amt Prepped(cm^2): N/A
Filter Area (mm^2): 1256
Filter Type: PC
Openings Analyzed: 10
Grid Opening (mm^2): 0.009

Analyst: WH
Date: 8/8/2007
Page: 1 of 1
Comments: 1.0 ml
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

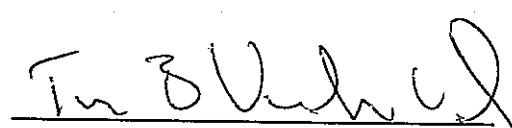
Report of Results: MVA5394

**Analysis of Settled Dust
Sierra Smith Regional HQ**

Prepared for:

**State of California
Dept of General Services
Seismic & Special Programs
707 West 3rd St.
West Sacramento, CA 95605**

Respectfully Submitted by:



**Tim B. Vander Wood, Ph.D.
Executive Director**

**MVA Scientific Consultants
3300 Breckinridge Boulevard
Suite 400
Duluth, GA 30096**

11 September 2007



Report of Results: MVA5394**Analysis of Settled Dust - Sierra Smith Regional HQ****Introduction**

On 1 August 2007, we received four settled dust samples from Clark Sief Clark, reportedly collected from the Sierra Smith Regional HQ, 1234 E. Shaw Ave., Fresno, California. We were asked to determine the asbestos levels in the dust and possible sources for the asbestos. Upon receipt, the samples were assigned MVA Scientific Consultants laboratory identification numbers as follows:

Sample ID	Sample Description	MVA Number
46VA	Office Bldg, Attic/Storage SW corner@wall	S0948
47VA	Office Bldg, Attic/Storage East-Middle-Along wall	S0949
48VA	Radio Maintenance Shop N Wall-Beam surface	S0950
49VA	Radio Maintenance Shop Refrigerator-Top Surface	S0951

All analyses were carried out in our laboratory during the period 1 August through 7 September 2007.

Methods

The samples were analyzed according to ASTM Method D5755-03 using either a Philips model EM420 or a Philips model CM120 transmission electron microscope (TEM), equipped with an Oxford INCA energy dispersive x-ray spectrometer (EDS). Additional analyses for dust constituents that might serve as source indicators were also conducted by TEM/EDS.

Results and Discussion

The results of analysis for these samples are presented in Table 1. The Appendix contains a summary of the analytical results, the laboratory count sheets, and images and EDS spectra of typical asbestos fibers found in these samples. Also contained in the appendix are images and spectra showing vermiculite associated with chrysotile fibers and other asbestiform amphibole minerals typical of those known as "Libby amphibole" and observed as contaminants in vermiculite from the Libby, Montana vermiculite mine operated by W.R. Grace.



Conclusions

Dust analyzed in this study contains elevated levels of chrysotile asbestos. Portions of the dust are consistent with derivation from a chrysotile/vermiculite bearing fireproofing. Asbestiform amphibole consistent with "Libby amphibole" was also found, indicating that the vermiculite in this sample originated at least in part at W.R. Grace's Libby vermiculite mine.

Table 1. Asbestos Concentration in Settled Dust Samples

Sample ID	MVA Number	Asbestos Str/cm ²
46VA	S0948	362,844
47VA	S0949	1,535,111
48VA	S0950	1,162,963
49VA	S0951	0



ASTM D5755 Results

MVA 5394

By: W.Hill

Client project number:

Str/cm = No Str. X CFA X Total Vol.

Grid Op. X GO Area X Vol Filt X Area Sampled

MVA #: S0948 Client #: 46.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
26	1256	10	0.009	1	100	100

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 362844.444 Str/CM2

MVA #: S0949 Client #: 47.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
55	1256	5	0.009	1	100	100

Anal. Sens = 27911.111 Str/CM2 LOD =3* Anal. Sens = 83733.333
 Total = 1535111.111 Str/CM2

MVA #: S0950 Client #: 48.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
50	1256	6	0.009	1	100	100

Anal. Sens = 23259.259 Str/CM2 LOD =3* Anal. Sens = 69777.778
 Total = 1162962.963 Str/CM2

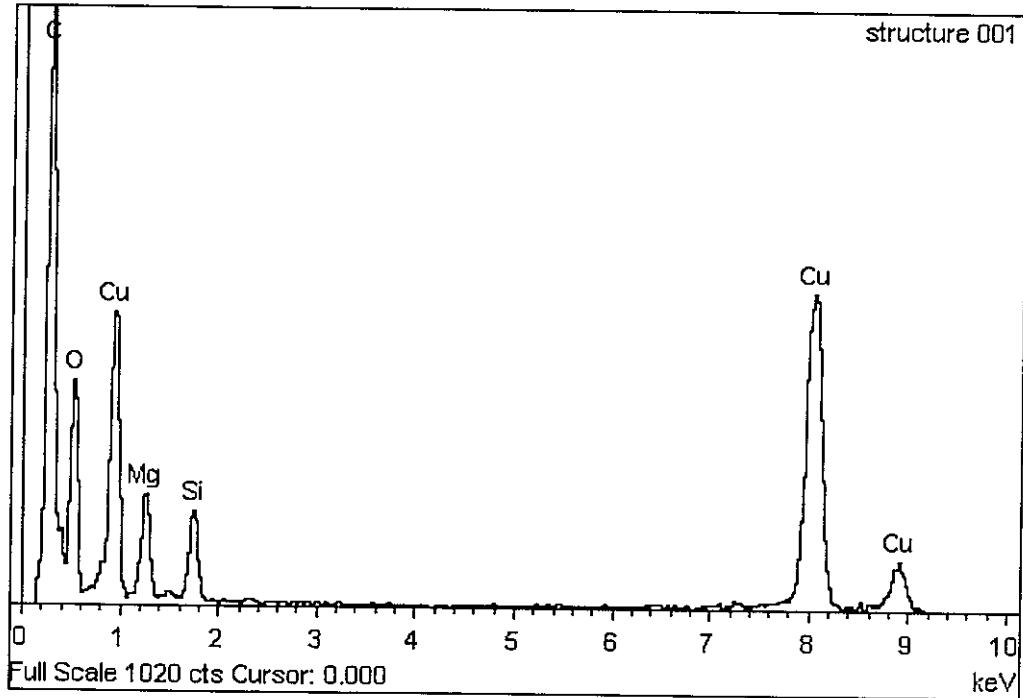
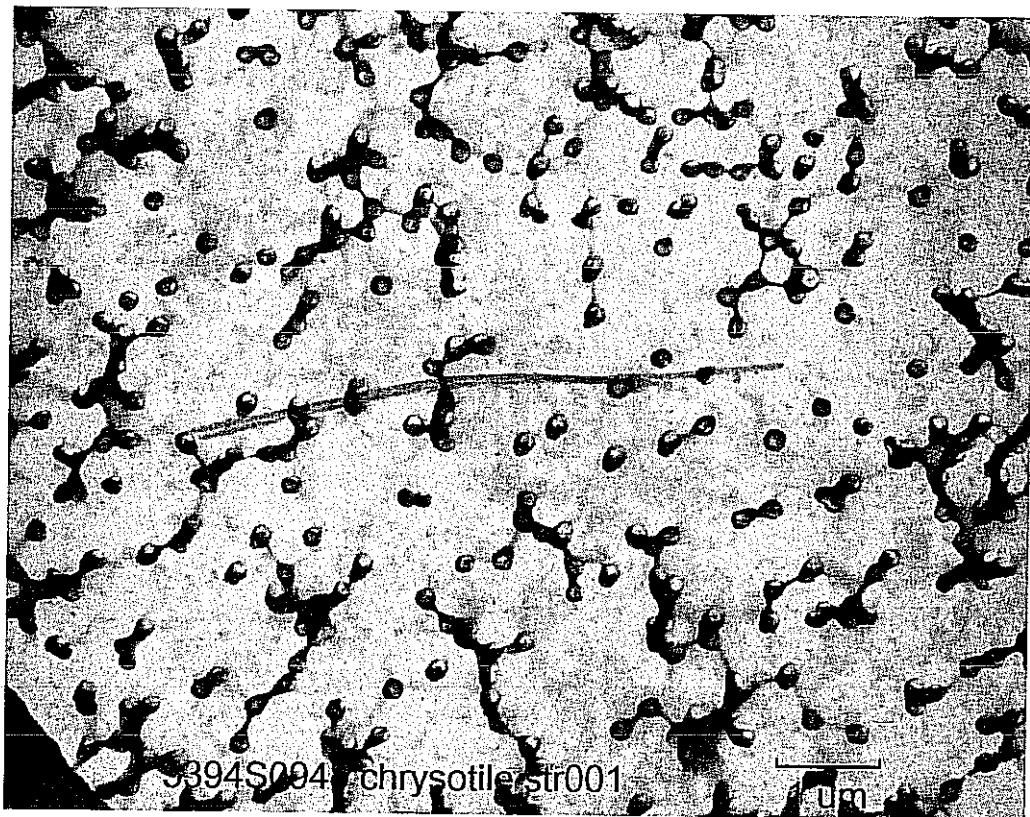
MVA #: S0951 Client #: 49.VA

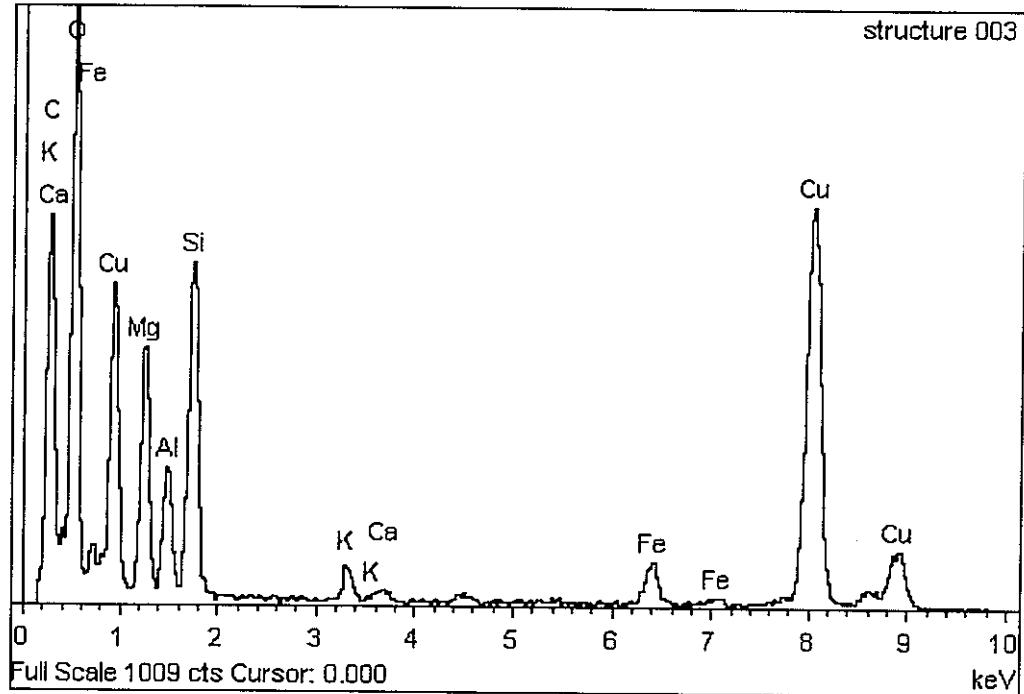
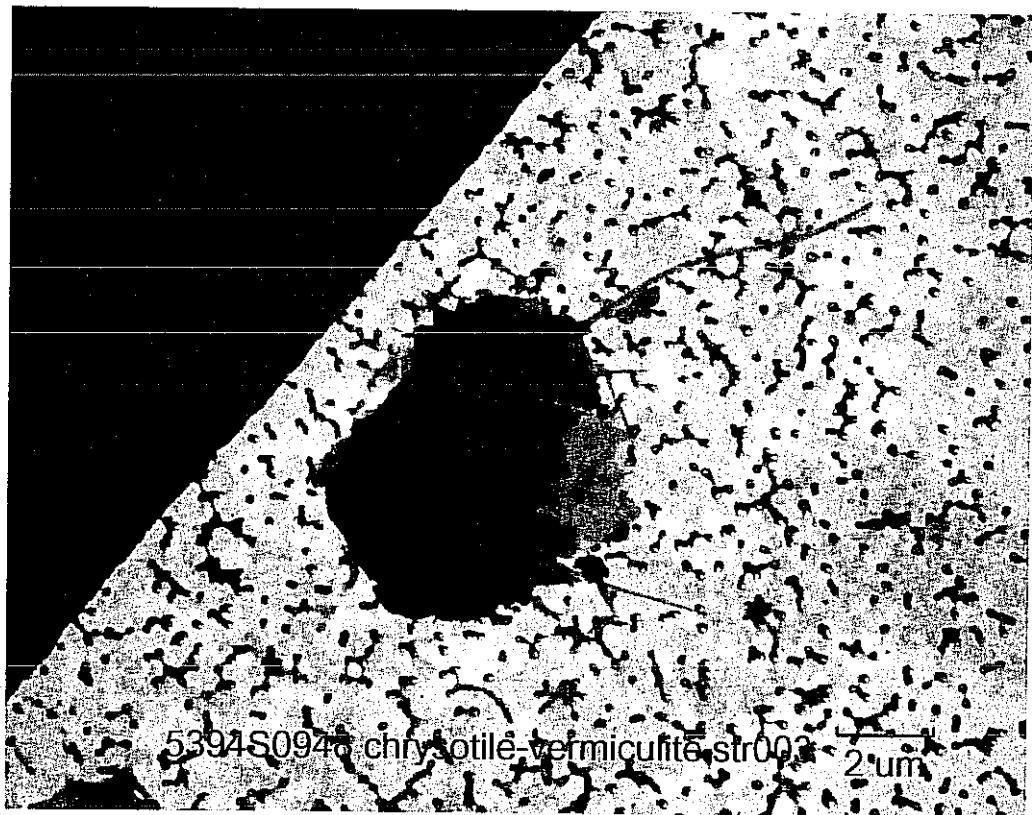
Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
0	1256	9	0.009	1	100	100

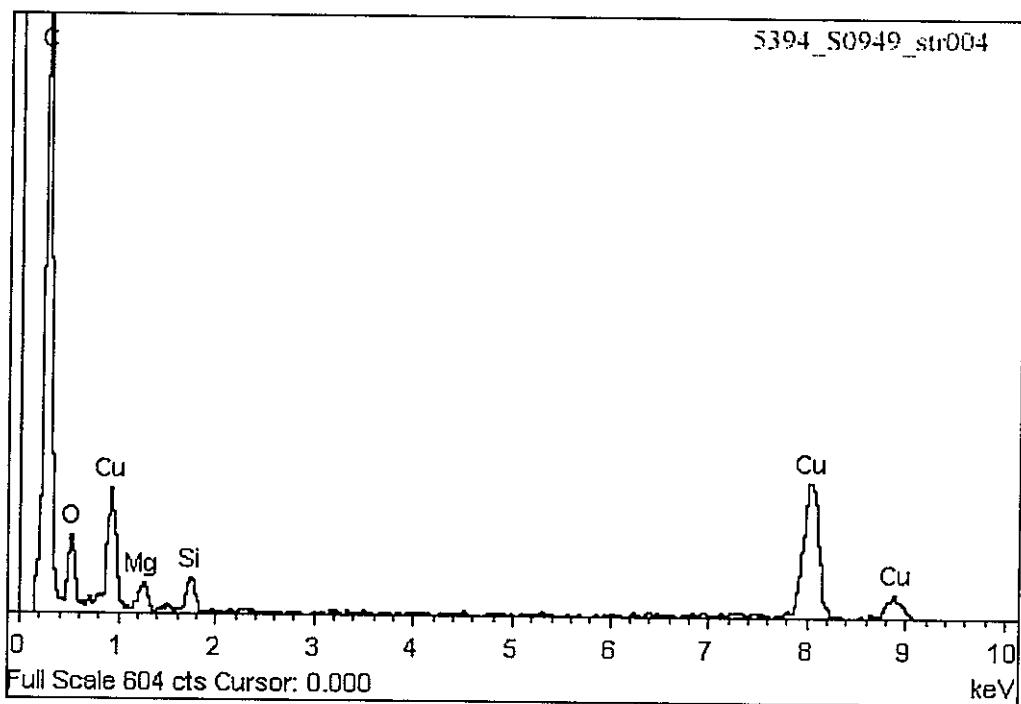
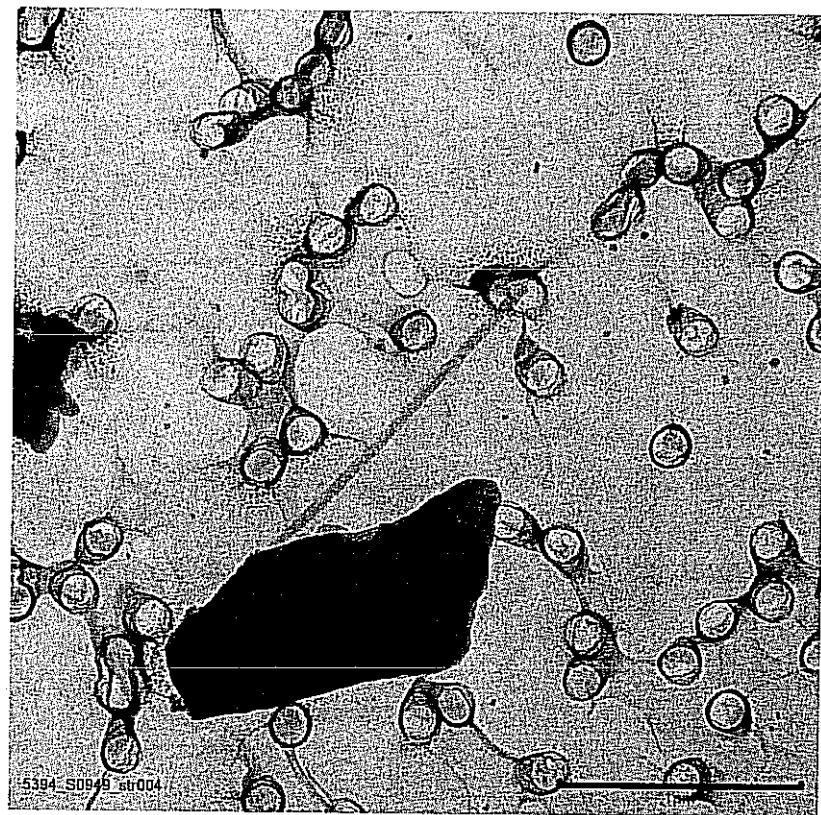
Anal. Sens = 15506.173 Str/CM2 LOD =3* Anal. Sens = 46518.519
 Total = 0.000 Str/CM2

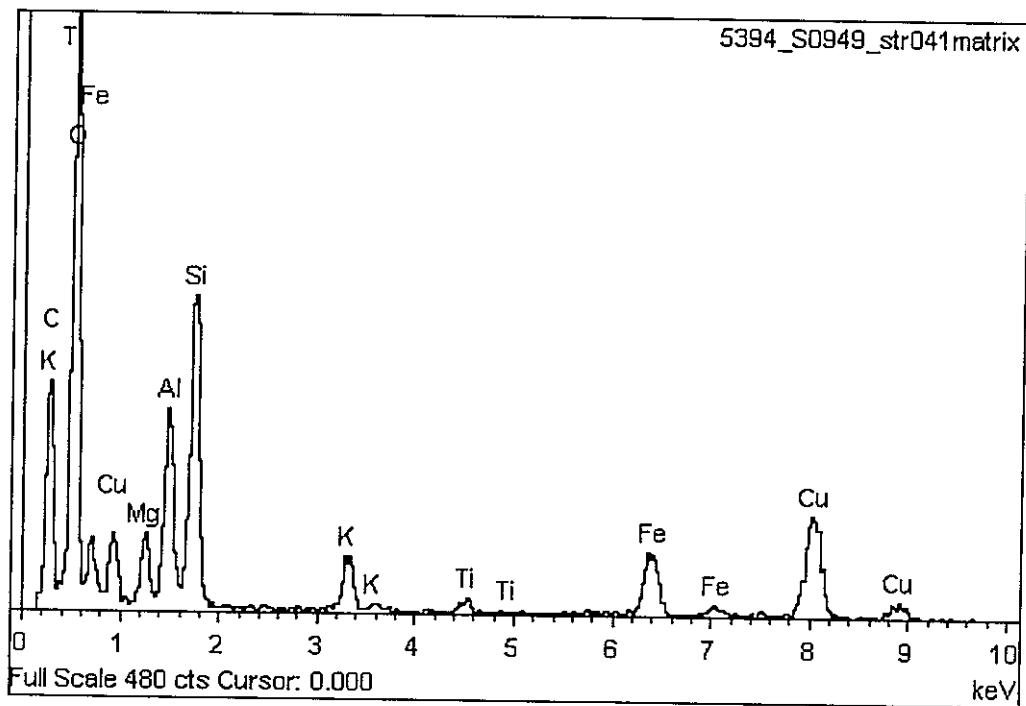
* According to ASTM D6620

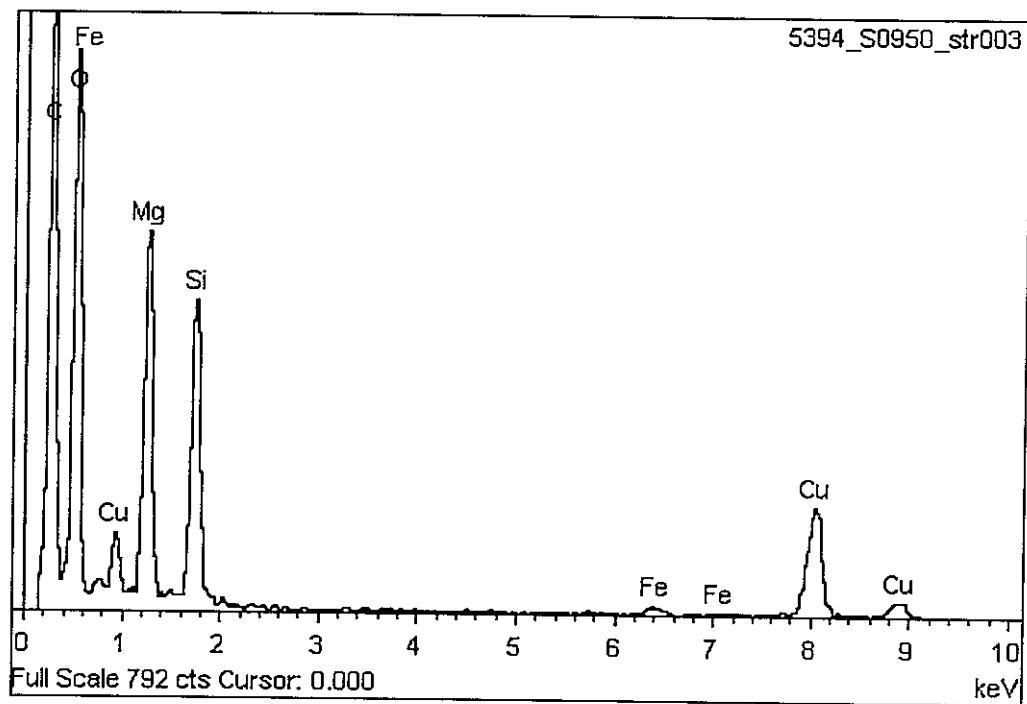
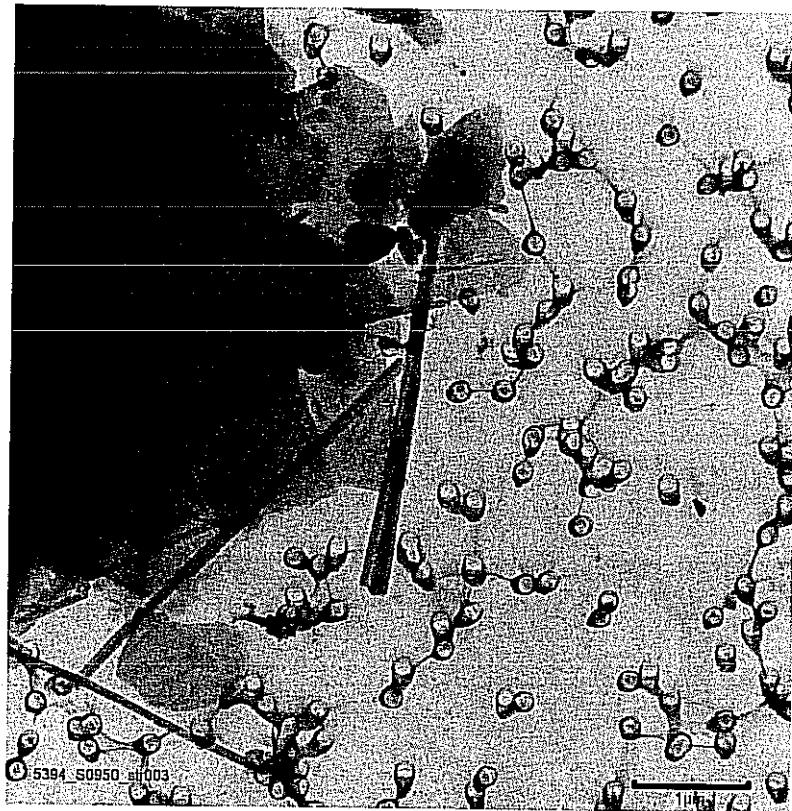


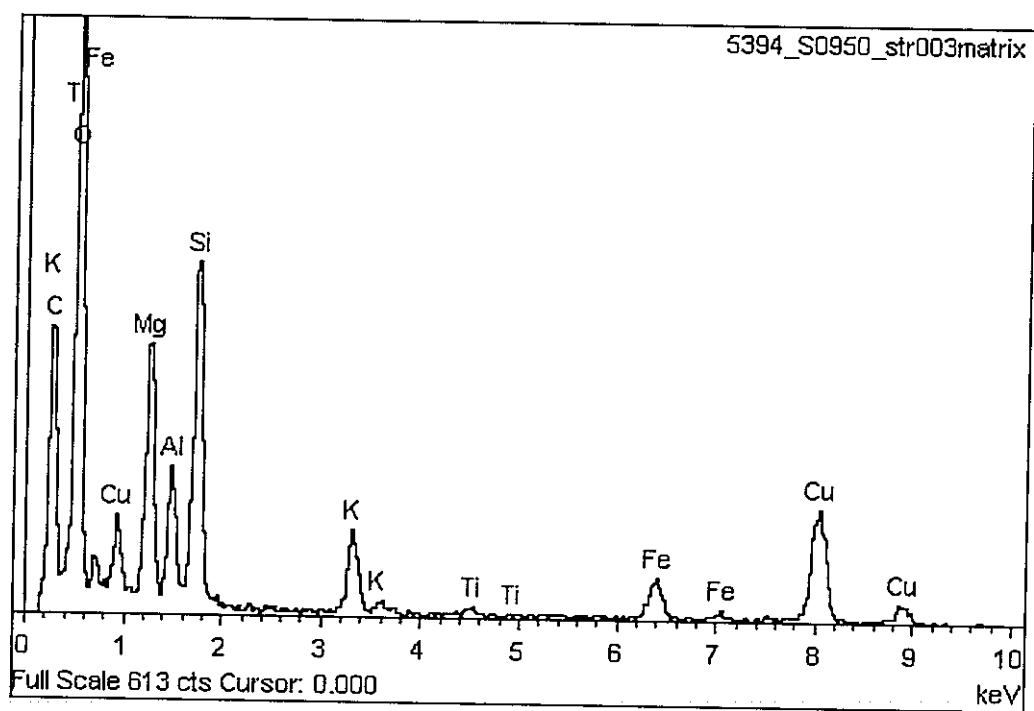


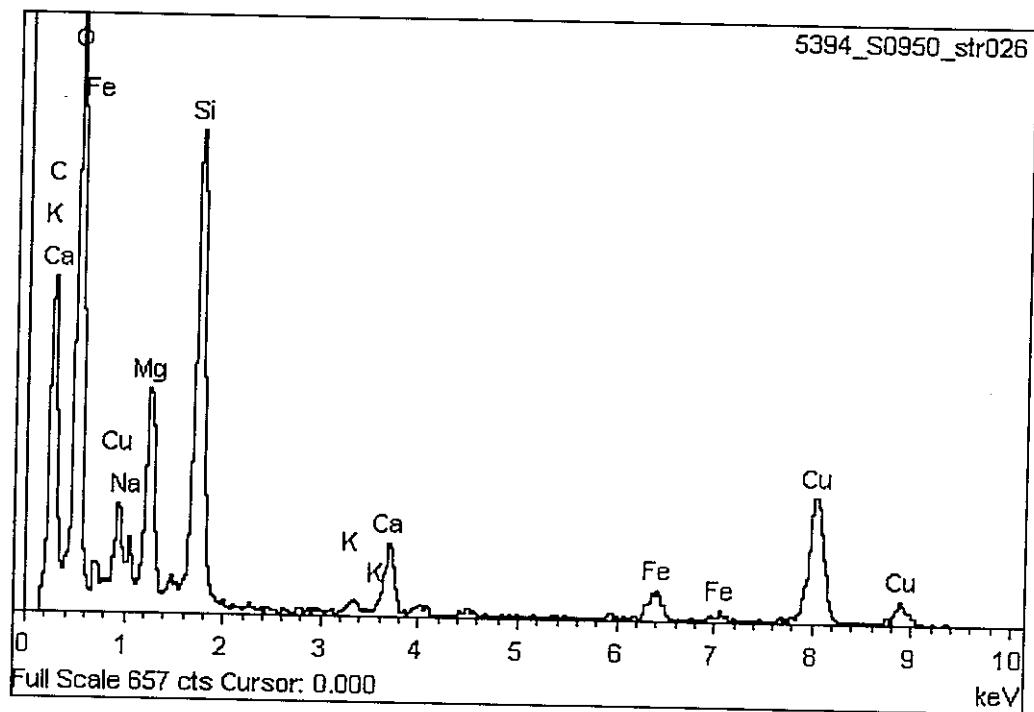
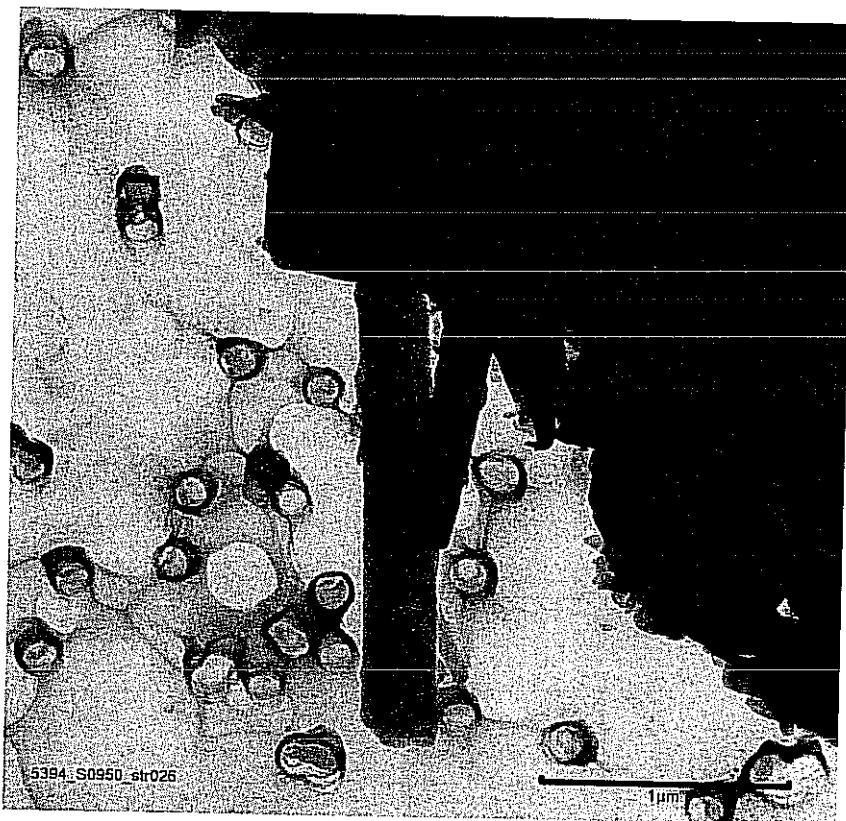












Surface Dust Sample Analysis Sheet

MVA Project# 5394
MVA Sample# S0948
Client I.D.: 46VA
Instrument: Philips 420
Magnification: 20,600
Acc. Voltage: 100

Amt Collected(cm²): 100
Amt Prepped(cm²): 1
Filter Area (mm²): 1256
Filter Type: PC 0.2
Openings Analyzed: 10
Grid Opening (mm²): 0.009

Analyst: AH
Date: 8/30/2007
Page: 1 of 1
Comments: 1.0 ML ANAL.
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non-Asbesto.

Surface Dust Sample Analysis Sheet

MVA Project# 5394
 MVA Sample# S0949
 Client I.D.: 47 VA
 Instrument: Philips 120
 Magnification: 24,000
 Acc. Voltage: 100

Amt Collected(cm²): 100
 Amt Prepped(cm²): 1
 Filter Area (mm²): 1256
 Filter Type: PC
 Openings Analyzed: 5
 Grid Opening (mm²): 0.009

Analyst: WH
 Date: 8/31/2007
 Page: 1 of 2
 Comments: 1ml
 ASTM Method: D6480
 or D5755 X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (μm)	Width*** (μm)
1	C6	1	F	5.5	0.1	C			2.3	0.04
		2	F	6.0	0.2	C			2.5	0.08
		3	F	2.5	0.1	C			1.0	0.04
		4	M	3.5	0.1	C	C	photo	1.5	0.04
		5	F	7.5	0.1	C			3.1	0.04
		6	F	5.5	0.1	C			2.3	0.04
		7	F	3.1	0.1	C			1.3	0.04
		8	B	10.0	1	C			4.2	0.42
		9	M	3.5	0.1	C			1.5	0.04
		10	B	20.0	1.1	C			8.3	0.46
		11	F	4.0	0.1	C			1.7	0.04
		12	F	31.0	0.1	C			12.9	0.04
		13	F	5.0	0.1	C			2.1	0.04
F4	14	B	10.0	0.3	C				4.2	0.13
		15	F	4.5	0.1	C			1.9	0.04
		16	F	8.5	0.1	C			3.5	0.04
		17	F	5.5	0.1	C			2.3	0.04
		18	F	4.0	0.1	C			1.7	0.04
		19	B	9.0	0.8	C			3.8	0.33
		20	F	5.5	0.1	C			2.3	0.04
		21	B	4.0	0.2	C			1.7	0.08
		22	F	2.8	0.1	C			1.2	0.04
		23	F	4.0	0.1	C			1.7	0.04
I1	24	F	10.0	0.1	C				4.2	0.04
		25	F	3.0	0.1	C			1.3	0.04
		26	F	48.0	0.1	C			20.0	0.04
		27	M	4.6	0.1	C			1.9	0.04
		28	F	3.2	0.1	C			1.3	0.04
		29	F	22.0	0.15	C			9.2	0.06
		30	F	9.5	0.1	C			4.0	0.04
		31	F	2.5	0.1	C			1.0	0.04
		32	F	2.6	0.2	C			1.1	0.08
		33	F	3.1	0.1	C			1.3	0.04
		34	F	5.6	0.1	C			2.3	0.04
		35	F	13.5	0.1	C			5.6	0.04

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394
MVA Sample# S0949
Client I.D.: 47 VA
Instrument: Philips 120
Magnification: 24,000
Acc. Voltage: 100

Amt Collected(cm²): 100
Amt Prepped(cm²): 1
Filter Area (mm²): 1256
Filter Type: PC
Openings Analyzed: 5
Grid Opening (mm²): 0.009

Analyst: WH
Date: 8/31/2007
Page: 2 of 2
Comments: 1ml
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos.

MVA Project# 5394
MVA Sample# S0950
Client I.D.: 48 VA
Instrument: Philips 120
Magnification: 24,000
Acc. Voltage: 100

Amt Collected(cm²): 100
Amt Prepped(cm²): 1
Filter Area (mm²): 1256
Filter Type: PC
Openings Analyzed: 6
Grid Opening (mm²): 0.009

Analyst: WH
Date: 8/31/2007
Page: 1 of 2
Comments: 1ml
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amosite

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, M = Magnesite, S = Silica

MVA Project# 5394
MVA Sample# S0950
Client I.D.: 48 VA
Instrument: Philips 420
Magnification: 20,600
Acc. Voltage: 100

Amt Collected(cm²): 100
Amt Prepped(cm²): 1
Filter Area (mm²): 1256
Filter Type: PC
Openings Analyzed: 6
Grid Opening (mm²): 0.009

Analyst: WRB
Date: 9/4/07
Page: 2 of 2
Comments: 1ml
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394
MVA Sample# S0951
Client I.D.: 49VA
Instrument: Philips 420
Magnification: 20,600
Acc. Voltage: 100

Amt Collected(cm²): 100
Amt Prepped(cm²): 1
Filter Area (mm²): 1256
Filter Type: PC 0.2
Openings Analyzed: 10
Grid Opening (mm²): 0.009

Analyst: AH
Date: 8/31/2007
Page: 1 of 1
Comments: 1.0 ML ANAL.
ASTM Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos